

In the claims:

Please amend the claims as follows:

1. (currently amended) A seismometer comprising:

2 a hydrodynamically efficient shaped body containing a seismic device;
3 a propulsion unit located on said body, said propulsion unit comprising a
4 plurality of fins for propelling said body through an ocean to a designated
5 location on an ocean bottom and digging into said ocean bottom to improve
6 coupling and vector fidelity of said seismic device to the ocean bottom; and
7 a control unit for directional control of said propulsion unit.

1. 2. (currently amended) The apparatus of claim 1 further comprising:

2 a navigation unit for directing the control unit to a desired location on the
3 ocean bottom and utilize said plurality of fins to fine tune an attitude of the
4 body and seismic device with respect to a horizontal reference plane.

1. 3. (currently amended) The apparatus of claim 1 wherein said ~~seismic device comprises~~
2 ~~a seismic sensor~~ fins a located on the body so that they oppose each other and each
3 fins lowers a different side of the body when digging into the ocean bottom.

1. 4. (currently amended) The apparatus of claim 3, wherein said apparatus further
2 ~~comprises a storage device for storing seismic data sensed by said seismic sensor.~~ a
3 predetermined coupling and orientation maneuver with said fins.

1 5. (currently amended) The apparatus of claim 1, wherein said control unit receives
2 navigation commands and a predetermined coupling and orientation maneuver from
3 a navigation system.

1 6. (original) The apparatus of claim 5 wherein the control unit communicates an
2 identifier code to the navigation system enabling the navigation system to determine
3 location of the apparatus.

1 7. (original) The apparatus of claim 6 wherein the navigation system sends a responsive
2 directional command to the apparatus based on the current location and the desired
3 location.

1 8. (original) The apparatus of claim 1 wherein the propulsion system acts to couple the
2 apparatus to the ocean floor.

1 9. (currently amended) The apparatus of claim 1 wherein the navigation system
2 comprises a flight control system for managing a plurality of said apparatuses during
3 navigation.

1 10. (original) The apparatus of claim 9 wherein the flight control system is located on a
2 surface support vessel.

1 11. (currently amended) A method for deploying a seismometer comprising the steps for:

2 placing a hydrodynamically efficient shaped body containing a seismic device
3 into water above an ocean bottom;
4 energizing a propulsion unit located on said body to propel the seismometer
5 through the fluid;
6 digging into said ocean bottom to improve coupling and vector fidelity of said
7 seismic device to the ocean bottom; and
8 receiving a command in propulsion unit from a control unit for directional
9 control of said propulsion unit.

- 1 12. (currently amended) The method of claim 11 further comprising the step for:
2 receiving a command from a navigation system for directing the control unit
3 to control the propulsion unit to move a desired location on the ocean bottom;
4 and
5 fine tuning an attitude of said body and seismic device with respect to a
6 horizontal reference plane.

- 1 13. (currently amended) The method of claim 1 ~~wherein said seismic device comprises a~~
2 ~~seismic sensor.~~
3 further comprising moving fins located on the body so that they oppose each other
4 and so that each fin lowers a different side of the body when digging into the ocean
5 bottom.

14. (currently amended) The method of claim 3, wherein said method further comprises
the step for:

~~storing seismic data sensed by said seismic sensor in a storage device on said body. performing a predetermined coupling and orientation maneuver with said fins.~~

15. (currently amended) The method of claim 11, further comprising the step for:
receiving navigation commands and a predetermined coupling and orientation
maneuver from a navigation system.

16. (original) The method of claim 15 further comprising the step for:
communicating an identifier code from the control unit to the navigation system enabling the navigation system to determine the location of the body.

17. (previously amended) The method of claim 16 further comprising the step for:
sending a responsive directional command from the navigation system to the
control unit based on the current location of the body and the desired location.

18. (original) The method of claim 11 further comprising the step for:
coupling the body to the ocean floor via said propulsion system.

19. (original) The method of claim 11 further comprising the step for:
controlling the flight path for a plurality of bodies.

